

WHAT IS CLAIMED IS:

1 1. A frictional damper, especially for cylinder
2 washing machines with spin cycle, having a housing (2) and
3 a movable plunger (4) which is arranged in the housing (2)
4 parallel to the housing longitudinal axis, is led out of
5 the housing (2) and is provided with at least one window
6 (6) at its end located in the housing (2), at least one
7 mounting part (7), movable longitudinally relative to the
8 plunger (4), for mounting a friction lining (8, 9) and at
9 least one amplitude-dependent impact element (15, 16, 32,
10 33) for braking the movement of the mounting part (7)
11 being provided in the window (6), characterized in that
12 the impact element (15, 16, 32, 33) is arranged between an
13 inner surface (20, 21) of the window (6) and an outer
14 surface (18, 19) of the mounting part (7).

1 2. The frictional damper as claimed in claim 1,
2 characterized in that the inner surface (20, 21) of the
3 window (6) and the outer surface (18, 19) of the mounting
4 part (7) are oriented essentially transversely to the
5 housing longitudinal axis.

1 3. The frictional damper as claimed in either of
2 the preceding claims, characterized in that the inner
3 surface (20, 21) of the window (6) and/or the outer
4 surface (18, 19) of the mounting part (7) corresponds

5 essentially to the cross-sectional area of the mounting
6 part (7).

1 4. The frictional damper as claimed in one of the
2 preceding claims, characterized in that the friction
3 lining (8, 9, 28, 29) and the impact element (15, 16, 32,
4 33) are arranged in an at least partly overlapping manner
5 transversely to the housing longitudinal axis.

1 5. The frictional damper as claimed in one of the
2 preceding claims, characterized in that an impact element
3 (15, 16, 32, 33) extending essentially over the entire
4 amplitude is provided.

1 6. The frictional damper as claimed in one of the
2 preceding claims, characterized in that the dependency of
3 the impact element (15, 16, 32, 33) on the amplitude is
4 disproportionate and constant.

1 7. The frictional damper as claimed in one of the
2 preceding claims, characterized in that the geometrical
3 form of the impact element (15, 16, 32, 33) is adapted to
4 the desired dependency on the amplitude.

1 8. The frictional damper as claimed in one of the
2 preceding claims, characterized in that the impact element
3 (15, 16, 32, 33) has at least one region (17, 34)
4 narrowing in the direction of the housing longitudinal
5 axis.

1 9. The frictional damper as claimed in one of the
2 preceding claims, characterized in that the region (17,
3 34) of the impact element (15, 16, 32, 33) has a
4 trapezoidal shape or a triangular shape.

1 10. The frictional damper as claimed in one of the
2 preceding claims, characterized in that at least
3 approximately planar friction surfaces (10, 11) are
4 provided in the housing (2).

1 11. The frictional damper as claimed in one of the
2 preceding claims, characterized in that at least the
3 amplitude-dependent impact element (15, 16, 32, 33) is

4 made essentially of an elastomer and/or of a foamed
5 plastic and/or of a rubber material.

1 12. The frictional damper as claimed in one of the
2 preceding claims, characterized in that at least one
3 friction lining (33) comprises the amplitude-dependent
4 impact element (32, 33).

1 13. The friction linings as claimed in one of the
2 preceding claims, characterized in that at least two
3 friction linings (8, 9, 28, 29) are arranged on opposite
4 sides of the plunger (4).

1 14. The friction linings as claimed in one of the
2 preceding claims, characterized in that the mounting part
3 (7), for guidance on the plunger (4), has at least one
4 guide surface (12) in the peripheral direction and
5 transversely to the housing longitudinal axis between two
6 friction linings (8, 9, 28, 29).

1 15. The friction linings as claimed in one of the
2 preceding claims, characterized in that clearance is
3 provided between the guide surface (12) of the mounting
4 part (7) and a guide surface (12) of the plunger.

1 16. The frictional damper as claimed in one of the
2 preceding claims, characterized in that a plurality of
3 impact elements arranged next to one another transversely
4 to the housing longitudinal axis are provided.

1 17. A cylinder washing machine, characterized in
2 that the cylinder is fastened in the chassis with a
3 frictional damper as claimed in one of the preceding
4 claims.